

## ABSTRACT OF THE DISCLOSURE

Terminal(s) 15 may transmit optical signal(s) representing video data conforming to DV-format signal transmission protocol(s) to optical transmission apparatus(es) 11 by way of optical fiber(s) 14. At optical transmission apparatus(es) 11, such optical signal(s) may be converted into electrical signal(s) by optical transceiver(s) 22, and such electrical signal(s) may be converted into signal(s) conforming to specifications of state machine(s) 16 and may be output. Microcomputer(s) 17 and link interface(s) 18 may be connected to state machine(s) 16 and may provide application protocol conversion functionality or functionalities 24 thereto. Such functionality or functionalities may allow the foregoing signal(s) to be converted into signal(s) representing MPEG-2TS-format video data, and such signal(s) produced as a result of conversion may be output to DS port(s) 19. DS port(s) 19 may transmit both signals or sets of signals to external terminal(s) 13 by way of conductive connector(s) 21 and conductive cable(s) 12. Furthermore, microcomputer(s) 17 may be provided with bus management functionality or functionalities 23 for managing bus(es) comprising conductive cable(s) 12 and optical fiber(s) 14.